



Volume contents

Volume 74 (1994)

A.U. Siddiqui, W.K. Wilson, E.J. Parish, N. Gerst, F.D. Pinkerton, G.J. Schroepfer, Jr. (Houston, TX) <i>Inhibitors of sterol synthesis. Synthesis and spectral properties of 3β-hydroxy-5α-cholestan-15-one and its 14β-epimer and their effects on 3-hydroxy-3-methylglutaryl coenzyme A reductase activity</i>	1
F. Stallmach, U. Dietrich, G. Klose (Leipzig, Germany) <i>The effect of incorporation of phosphonic acid dibutyl ester in POPC model membranes on the hydration force</i>	17
A. Raudino, F. Castelli, M.G. Sarpietro, A. Cambria (Catania, Italy) <i>Calorimetric analysis of lipid-sterol systems: a comparison between structurally similar cholesterol and vitamin D₃ interacting with phospholipid bilayers of different thickness</i>	25
P. Tassignon, T. de Rijk, D. de Wit, L. de Buyck (Wageningen, The Netherlands; Gent, Belgium) <i>Synthesis of the 9-oxo-diene derivative of methyl dimorphecolate by an efficient Oppenauer oxidation procedure</i> ..	39
H. Vorum, R. Brodersen (Aarhus C, Denmark) <i>Adsorption and physical state of medium- and long-chain fatty acids in neutral aqueous buffer solution</i>	43
K.H. Cheng, P. Somerharju, I. Sugar (Lubbock, TX; Helsinki, Finland; New York, NY) <i>Detection and characterization of the onset of bilayer packing defects by nanosecond-resolved intramolecular excimer fluorescence spectroscopy</i>	49
A. Ferretti, V.P. Flanagan (Beltsville, MD) <i>Mass spectra of piperidide and trimethylsilyl ester derivatives of the major metabolite of prostaglandin F</i>	65
J. Zeidler, W. Zimmermann (Tübingen, Germany) <i>Synthesis of heterocyclic platelet activating factor analogues</i>	73
G.S. Attard, W.P. Blackaby, A.R. Leach (Southampton, UK) <i>The aggregation behaviour of two structurally isomeric glycolipids</i>	83
Short Communication	
O.P. Bondar, G. Melnykovich, E.S. Rowe (Kansas City, KS; Kansas City, MO) <i>Effects of farnesol on the thermotropic behavior of dimyristoylphosphatidylcholine</i>	93
Book review	99
Review article	
F. Paltauf (Graz, Austria) <i>Ether lipids in biomembranes</i>	101
G. Steffan, S. Wulff, H.-J. Galla (Wilhelm-Klemm-Straße, Germany) <i>Divalent cation-dependent interaction of sulfated polysaccharides with phosphatidylcholine and mixed phosphatidylcholine/phosphatidylglycerol liposomes</i>	141
L.-Y. Zhang, M. Hamberg (Stockholm, Sweden) <i>A gas-liquid chromatographic method for steric analysis of 2-hydroxy, 3-hydroxy, and 2,3-dihydroxy acids</i>	151

D.E. Epps, T.J. Knechtel, O. Baczynskyj, D. Decker, D.M. Guido, S.E. Buxser, W.R. Mathews, S.L. Buffenbarger, B.S. Lutzke, J.M. McCall, L.K. Oliver, F.J. Kézdy (Kalamazoo, Michigan) <i>Tirilazad mesylate protects stored erythrocytes against osmotic fragility</i>	163
T. Eynard, J.-M. Vatéle, D. Poullain, J.-P. Noël, J.-M. Chardigny, J.-L. Sébédio (Villeurbanne, Gif sur Yvette, Dijon, France) <i>Synthesis of (9Z,12Z,15E)- and (9E,12Z,15Z)-octadecatrienoic acids and their [1-¹⁴C]-radiolabelled analogs</i>	175
J.-M. Vatéle, H.D. Doan, J.-M. Chardigny, J.-L. Sébédio, A. Grandgirard (Villeurbanne, Dijon, France) <i>Synthesis of methyl (5Z,8Z,11Z,14Z,17E)-eicosapentaenoate and methyl (4Z,7Z,10Z,13Z,16Z,19E)-docosahexaenoate</i>	185
P. Mattjus, G. Hedström, J.P. Slotte (Turku, Finland) <i>Monolayer interaction of cholesterol with phosphatidylcholines: effects of phospholipid acyl chain length</i>	195
Short communication	
A. Gericke, H. Hühnerfuss (Hamburg, Germany) <i>IR reflection absorption spectroscopy: a versatile tool for studying enzymatic processes</i>	205
Author index — Volume 74	211
Subject index — Volume 74	212
Contents — Volume 74	215

